# Density vs. Temp $H_2O$ Explorations

Purpose: Rationalize and investigate how density and temperature are related.

Safety: you will be working with hot (~90°C) $H_2O$

Caution with the 0.001g scale and liquids

1. Devise a way to measure the density, mass (g) per volume (mL), of each of the samples of water.

2. Record your measurements in a data table ***you*** design.

3. Graph your results Density (g/mL) vs. Temp (°C)

4. Write a couple of paragraphs explaining your results/ finding and purpose a reason for density variation (if found) as temperature changes. How does this relate to large bodies of water, ice, and steam?